

ABSTRACT OF THE DISCLOSURE

The invention offers a way to objectively analyze information obtained by monitoring market trends, and to make appropriate assessments of even individual information inside the monitored results. Market trend data resulting from monitoring of market trends are rearranged by an input data sorting portion of an information processing device to form a data set of a predetermined form, a wavelet transform processing portion applies a discrete wavelet transform to the data set, and the wavelet spectrum obtained as a result is used to express amounts of data separately for each rate of change of elemental values in the data set. Additionally, a multi-resolution analysis processing portion applies an inverse wavelet transform to the wavelet spectra of the respective levels, thereby to obtain multi-resolution analysis results corresponding to respective resolution levels of the data set. Then, a multi-resolution analysis result processing portion performs such operations as summation of the multi-resolution analysis results or correlation operations of the data sets.